# Specified Ingredient Incidents

| PC Code :               |         |                                                                                             | 060109                                                                   |            |                                          |            |               |        |       |             |                      |            |                    |                         |                                                       |                                          |
|-------------------------|---------|---------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|------------|------------------------------------------|------------|---------------|--------|-------|-------------|----------------------|------------|--------------------|-------------------------|-------------------------------------------------------|------------------------------------------|
| Ingredient Na           | ıme     |                                                                                             | All                                                                      |            |                                          |            |               |        |       |             |                      |            |                    |                         |                                                       |                                          |
| Exposure Sev            | verit   | y Code :                                                                                    | All                                                                      |            |                                          |            |               | Single | Ingre | dient       | Only:                | No         | ncident Date F     | Period: 0               | 1/01/2009 To 0                                        | 4/04/2019                                |
| Word in Pack            | age     | Description:                                                                                | All                                                                      |            |                                          |            |               |        |       |             |                      |            |                    |                         |                                                       |                                          |
| Package and<br>Report # | Pg<br># | Package Desc                                                                                | cription                                                                 | Stat<br>us | Submitter                                | Inc. Date  | City          | County | St.   | Cou<br>ntry | Exp.<br>Sev.<br>Code | PC<br>Code | Ingredient<br>Name | Registration<br>#       | Product<br>Name                                       | Registrant                               |
| 021105-00051            | 39      | Syngenta: July cases: 38 S-A, Metochlor, 13 Firritation, s.o.b, irritation.                 | Atrazine, 1 G-A,<br>I-C, throat                                          | N          | SYNGENTA<br>CROP<br>PROTECTIO<br>N, INC. | 06/05/2009 | CADIZ         |        | KY    | US          | HC                   | 060109     | Thiamethoxa<br>m   | 000100-01247            | CRUISER MAXX BEANS INSECTICIDE WITH FUNGICIDE         | SYNGENTA<br>CROP<br>PROTECTIO<br>N, INC. |
| 021194-00004            | 4       | Syngenta: 2 H-<br>joint pain, 6 H-<br>irritation, throa<br>numbness, dizz<br>SW-A, Atrazine | C, fever, oral<br>t irritation,<br>iiness, cough, 3                      | N          | SYNGENTA<br>CROP<br>PROTECTIO<br>N, INC. | 08/01/2009 |               |        | MN    | US          | HC                   | 060109     | Thiamethoxa<br>m   | 000100-01276            | ENDIGO ZC                                             | SYNGENTA<br>CROP<br>PROTECTIO<br>N, INC. |
| 021904-00037            | 16      | Syngenta: 18 S<br>atrazine. 3 SW-<br>simazine. 5 H-C<br>nausea, shakin<br>numbness, diar    | A, 4 DW-A:<br>C: dizziness,<br>g, rash, pruritus,                        | N          | SYNGENTA<br>CROP<br>PROTECTIO<br>N, INC. | 04/14/2010 | CONEST<br>OGA |        | PA    | US          | HC                   | 060109     | Thiamethoxa<br>m   |                         | CRUISER<br>EXTREME<br>250                             |                                          |
| 021985-00136            | 28      | -                                                                                           | oW-A, 80 SW-A,<br>ine, 13 H-C,<br>iroat, diarrhea,<br>, tremors, SOB,    | N          | SYNGENTA<br>CROP<br>PROTECTIO<br>N, INC. | 05/11/2010 |               |        | ОН    | US          | HC                   | 060109     | Thiamethoxa<br>m   |                         | CRUISER                                               |                                          |
| 021985-00137            | 31      | Syngenta: 51 D<br>atrazine, simazi<br>blisters, sore th<br>vomiting, fever<br>headache, num | OW-A, 80 SW-A,<br>ine, 13 H-C,<br>iroat, diarrhea,<br>, tremors, SOB,    | N          | SYNGENTA<br>CROP<br>PROTECTIO<br>N, INC. | 05/06/2010 |               |        | WI    | US          | HC                   | 060109     | Thiamethoxa<br>m   | 000100-01208            | CRUISER<br>EXTREME                                    | SYNGENTA<br>CROP<br>PROTECTIO<br>N, INC. |
| 022107-00015            | 48      | Syngenta: 17 H<br>tingling, diarrhe<br>chemical burn,                                       | I-C: headache,<br>ea, SOB, occular<br>vomiting; 1 H-<br>/-A, 170 SW-A, 2 | N          | SYNGENTA<br>CROP<br>PROTECTIO<br>N, INC. | 05/27/2010 | LONE<br>TREE  |        | IA    | US          | HC                   | 060109     | Thiamethoxa<br>m   | 000100-01321            | AVICTA DUO<br>CORN                                    | SYNGENTA<br>CROP<br>PROTECTIO<br>N, INC. |
| 022127-00001            | 1       | in yard next to                                                                             | pin-point pustule                                                        | N          | SYNGENTA<br>CROP<br>PROTECTIO<br>N, INC. | 06/12/2010 | ANDERS<br>ON  |        | SC    | US          | НС                   | 060109     | Thiamethoxa<br>m   | 000100-01334<br>-085579 | MAXIDE DUAL ACTION INSECT KILLER CONCENTRA TE 38.4 OZ | SYNGENTA<br>CROP<br>PROTECTIO<br>N, INC. |

### Specified Ingredient Incidents

| Package and  | Pa | Package Description                                                                                                                                                               | Stat | Submitter                                | Inc. Date  | City                             | County      | St. | Cou  | Exp.         | PC     | Ingredient       | Registration | Product                                          | Registrant                               |
|--------------|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------------------------------------|------------|----------------------------------|-------------|-----|------|--------------|--------|------------------|--------------|--------------------------------------------------|------------------------------------------|
| Report #     | #  | rackage Description                                                                                                                                                               | us   | Submitter                                | Inc. Date  | City                             | Country     | Jt. | ntry | Sev.<br>Code | Code   | Name             | #            | Name                                             | Registratic                              |
| 022202-00064 | 11 | 21 DW-A, 40 SW-A: atrazine.<br>10 H-C, vomiting, congestion,<br>paraesthesia, blurred vision, 1<br>P-A, home garden had<br>bleaching & curling on<br>vegetables.                  | N    | SYNGENTA<br>CROP<br>PROTECTIO<br>N, INC. | 05/13/2010 | SAINT<br>JEAN,<br>CANADA         | QUEBEC      |     | CN   | HC           | 060109 | Thiamethoxa<br>m |              | CRUISER 5FS<br>INSECTICIDE<br>(CANADA<br>27045)  |                                          |
| 022340-00001 | 1  | Dead bees found at 4 hives at<br>Purdue University, 4/2010.<br>Mainly young bees, not the<br>foragers. Clothianidin and other<br>pesticides detected.<br>CONFIDENTIAL EMAIL CLAIM | N    | BAYER<br>CROPSCIEN<br>CE                 | 04/18/2010 | WEST<br>LAFAYE<br>TTE            |             | IN  | US   | ON           | 060109 | Thiamethoxa<br>m |              | THIAMETHOX<br>AM                                 |                                          |
| 022450-00009 | 20 | Syngenta: 89 P-A, type of crop, treated and damaged acres information provided. 12 aggregate reports, Nov. 2009-Oct. 2010. Incl. 54 P-B.                                          | N    | SYNGENTA<br>CROP<br>PROTECTIO<br>N, INC. | 01/18/2010 | CENTER                           |             | KS  | US   | PA           | 060109 | Thiamethoxa<br>m | 000100-01247 | CRUISERMAX<br>X BEANS                            | SYNGENTA<br>CROP<br>PROTECTIO<br>N, INC. |
| 022540-00003 | 7  | Syngenta:1 SW-A, simazine, 7<br>H-C, blisters, cough, pruritus,<br>malaise, muscle weakness,<br>swelling, throat irritation,<br>wheezing, SOB, chest tightness.<br>ti             | N    | SYNGENTA<br>CROP<br>PROTECTIO<br>N, INC. | 10/07/2010 | MALTA                            |             | MT  | US   | HC           | 060109 | Thiamethoxa<br>m | 000100-01305 | CRUISER MAXX CEREALS COMMERCIAL SEED TREATMENT   | SYNGENTA<br>CROP<br>PROTECTIO<br>N, INC. |
| 022540-00004 | 10 | Syngenta:1 SW-A, simazine, 7<br>H-C, blisters, cough, pruritus,<br>malaise, muscle weakness,<br>swelling, throat irritation,<br>wheezing, SOB, chest tightness.<br>ti             | N    | SYNGENTA<br>CROP<br>PROTECTIO<br>N, INC. | 10/17/2010 | DRESDE<br>N,<br>CANADA           | ONTARI<br>O |     | CN   | HC           | 060109 | Thiamethoxa<br>m |              | CRUISER<br>WHEAT<br>(CANADA)                     |                                          |
| 022540-00005 | 13 | Syngenta:1 SW-A, simazine, 7<br>H-C, blisters, cough, pruritus,<br>malaise, muscle weakness,<br>swelling, throat irritation,<br>wheezing, SOB, chest tightness.<br>ti             | N    | SYNGENTA<br>CROP<br>PROTECTIO<br>N, INC. | 06/01/2010 | FOREST,<br>CANADA                |             |     | CN   | HC           | 060109 | Thiamethoxa<br>m |              | CRUISER MAXX BEANS SEED TREATMENT (CANADA 28821) |                                          |
| 022540-00006 | 16 | Syngenta:1 SW-A, simazine, 7<br>H-C, blisters, cough, pruritus,<br>malaise, muscle weakness,<br>swelling, throat irritation,<br>wheezing, SOB, chest tightness.<br>ti             | N    | SYNGENTA<br>CROP<br>PROTECTIO<br>N, INC. | 06/01/2009 | FOREST,<br>CANADA                | ONTARI<br>O |     | CN   | HC           | 060109 | Thiamethoxa<br>m |              | CRUISER MAXX BEANS SEED TREATMENT (CANADA 28821) |                                          |
| 022585-00001 | 1  | High number of dead or paralyzed/agonizing bees found in Coteau-du-Lac, Quebec, Canada. Residues of clothianidin and thiamethoxam were detected.                                  | N    | U.S. EPA,<br>OPP,<br>ITRMD, ISB          | 05/15/2010 | COTEAU<br>-DU-<br>LAC,<br>CANADA | QUEBEC      |     | CN   | ON           | 060109 | Thiamethoxa<br>m |              | THIAMETHOX<br>AM                                 |                                          |

# Specified Ingredient Incidents

| Package and<br>Report # | Pg<br># | Package Description                                                                                                                                                                                                                                                                                                                                         | Stat<br>us | Submitter                                | Inc. Date  | City         | County           | St. | Cou<br>ntry | Exp.<br>Sev. | PC<br>Code | Ingredient<br>Name | Registration<br># | Product<br>Name                                      | Registrant                              |
|-------------------------|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------------------------------------|------------|--------------|------------------|-----|-------------|--------------|------------|--------------------|-------------------|------------------------------------------------------|-----------------------------------------|
| 022824-00014            | 25      | Syngenta: 3 S-A & 3 DW-A with simazine; 1 H-B, worker exposed to multiple products at pest control company, ear infection, fasciculations, tinnitus, blurred vision; 7 H-C: a)malaise, fever; b)abdominal pain; c)vomiting, erythema, drowsiness; d)palpitations, paraesthesia; e)cough, bacterial infection, headache; f)dermal pain, erythema; g)headache | N          | SYNGENTA<br>CROP<br>PROTECTIO<br>N, INC. | 03/24/2011 | PENN<br>YAN  | YATES            | NY  | US          | HC           | 060109     | Thiamethoxa<br>m   | 000100-01247      | CRUISER<br>MAXX                                      | SYNGENTA<br>CROP<br>PROTECTIO<br>N, LLC |
| 022998-00171            | 32      | Syngenta: 166 SW-A & DW-A for atrazine & simazine; 1 H-B, difficulty breathing, chest pain; 7 H-C, dry mouth, nausea, vomiting, headache, dizziness, lightheadedness, tremor, chills, lethargy, chills, rash, SOB.                                                                                                                                          | N          | SYNGENTA<br>CROP<br>PROTECTIO<br>N, INC. | 05/03/2011 |              | ALBERTA          |     | CN          | НС           | 060109     | Thiamethoxa<br>m   |                   | CRUISER<br>MAXX<br>CEREALS<br>(CANADA<br>29192)      |                                         |
| 023072-00177            | 20      |                                                                                                                                                                                                                                                                                                                                                             | N          | SYNGENTA<br>CROP<br>PROTECTIO<br>N, INC. | 05/20/2011 | Flanag<br>an | SASKATC<br>HEWAN |     | CN          | HC           | 060109     | Thiamethoxa<br>m   |                   | HELIX XTRA<br>SEED<br>TREATMENT<br>(CANADA<br>26638) |                                         |
| 023187-00015            | 6       | Syngenta: 14 SW-A, atrazine and simazine; 10 H-C, rash, swelling, erythema, joint pain, tingling, urinary tract infection, malaise, respiratory irritation, SOB, sneezing.                                                                                                                                                                                  | N          | SYNGENTA<br>CROP<br>PROTECTIO<br>N, INC. | 07/01/2011 |              |                  | KS  | US          | HC           | 060109     | Thiamethoxa<br>m   | 000100-00941      | CRUISER                                              | SYNGENTA<br>CROP<br>PROTECTIO<br>N, LLC |
| 023187-00024            | 37      | Syngenta: 14 SW-A, atrazine and simazine; 10 H-C, rash, swelling, erythema, joint pain, tingling, urinary tract infection, malaise, respiratory irritation, SOB, sneezing.                                                                                                                                                                                  | N          | SYNGENTA<br>CROP<br>PROTECTIO<br>N, INC. | 05/25/2011 |              |                  | MI  | US          | HC           | 060109     | Thiamethoxa<br>m   | 000100-00941      | CRUISER                                              | SYNGENTA<br>CROP<br>PROTECTIO<br>N, LLC |

#### Specified Ingredient Incidents

| Package and<br>Report # | Pg<br># | Package Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Stat<br>us | Submitter              | Inc. Date  | City                          | County | St. | Cou<br>ntry | Exp.<br>Sev.<br>Code | PC<br>Code | Ingredient<br>Name | Registration<br># | Product<br>Name  | Registrant |
|-------------------------|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------------------|------------|-------------------------------|--------|-----|-------------|----------------------|------------|--------------------|-------------------|------------------|------------|
| 023225-00007            | 3       | Bee kill in Mura Region and other parts of Slovenia, AprMay 2011 affected 21 beekeepers. Slovenia govt. stopped use of maize & oilseed rape seed treated wit Poncho and Cruiser. Some bee corpses showed plant protection products at levels which lead to suspicion criminal offence has been commited. Bees may have hit clouds of dust released during maize sowing with clothianidin treated seeds. Coumaphos also found but not in levels toxic to bees. Worst losses were near border with Hungary | N          | U.S. EPA,<br>OPP, EFED | 05/11/2011 | VERZEJ                        |        |     | SD          | ON                   | 060109     | Thiamethoxa<br>m   |                   | THIAMETHOX<br>AM |            |
| 023225-00008            | 3       | Bee kill in Mura Region and other parts of Slovenia, AprMay 2011 affected 21 beekeepers. Slovenia govt. stopped use of maize & oilseed rape seed treated wit Poncho and Cruiser. Some bee corpses showed plant protection products at levels which lead to suspicion criminal offence has been commited. Bees may have hit clouds of dust released during maize sowing with clothianidin treated seeds. Coumaphos also found but not in levels toxic to bees. Worst losses were near border with Hungary | N          | U.S. EPA,<br>OPP, EFED | 05/11/2011 | NEDELI<br>CA,<br>TURNIS<br>CE |        |     | SD          | ON                   | 060109     | Thiamethoxa<br>m   |                   | THIAMETHOX<br>AM |            |

#### Specified Ingredient Incidents

| 100011                  |         | ituilleu i 143                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |            |                                          |            |                       |        |     |             |                      |            | <u> </u>           |                   | 1/01/2019 010           |                                         |
|-------------------------|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------------------------------------|------------|-----------------------|--------|-----|-------------|----------------------|------------|--------------------|-------------------|-------------------------|-----------------------------------------|
| Package and<br>Report # | Pg<br># | Package Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Stat<br>us | Submitter                                | Inc. Date  | City                  | County | St. | Cou<br>ntry | Exp.<br>Sev.<br>Code | PC<br>Code | Ingredient<br>Name | Registration<br># | Product<br>Name         | Registrant                              |
| 023225-00009            | 3       | Bee kill in Mura Region and other parts of Slovenia, AprMay 2011 affected 21 beekeepers. Slovenia govt. stopped use of maize & oilseed rape seed treated wit Poncho and Cruiser. Some bee corpses showed plant protection products at levels which lead to suspicion criminal offence has been commited. Bees may have hit clouds of dust released during maize sowing with clothianidin treated seeds. Coumaphos also found but not in levels toxic to bees. Worst losses were near border with Hungary | N          | U.S. EPA,<br>OPP, EFED                   | 05/11/2011 | BRATON<br>CI          |        |     | SD          | ON                   | 060109     | Thiamethoxa<br>m   |                   | THIAMETHOX<br>AM        |                                         |
| 023444-00001            | 9       | Syngenta: 46 P-A, 14 aggregate<br>summaries, Nov. 2010 - Oct.<br>2011. Includes 68 P-B.                                                                                                                                                                                                                                                                                                                                                                                                                  | N          | SYNGENTA<br>CROP<br>PROTECTIO<br>N, INC. | 03/02/2011 | MELROS<br>E           |        | MN  | US          | PA                   | 060109     | Thiamethoxa<br>m   | 000100-01321      | AVICTA DUO              | SYNGENTA<br>CROP<br>PROTECTIO<br>N, LLC |
| 023555-00009            | 16      | Syngenta: 2 H-B, a)nausea, malaise, extreme fatigue, ataxia, dizziness, shortness of breath, b)bradycardia, diaphoretic, fasciculations, blurry vision, salivation; 3 H-C, throat irritation, headache, bronchitis, cough, nasal irritation, numbness, tingling, dizziness;3 SW-A & 1 DW-A, simazine.                                                                                                                                                                                                    | N          | SYNGENTA<br>CROP<br>PROTECTIO<br>N, INC. | 11/07/2011 | WEST<br>PALM<br>BEACH |        | FL  | US          | НВ                   | 060109     | Thiamethoxa<br>m   | 000100-01306      | OPTIGARD<br>FLEX LIQUID | SYNGENTA<br>CROP<br>PROTECTIO<br>N, LLC |
| 023836-00010            | 19      | Syngenta: 5 water contaminations, simazine and atrazine. 2 H-B, a)cough & pneumonia, b)headaches, blackened vision,tingling, numbness, tinnitus, calcification of eyelids, diarrhea, palpitations, confusion; and 3 H-C, rash, dry skin, tingling, dermal pain, hives/welts.                                                                                                                                                                                                                             | N          | SYNGENTA<br>CROP<br>PROTECTIO<br>N, INC. | 02/27/2012 |                       |        | TX  | US          | НС                   | 060109     | Thiamethoxa<br>m   | 000100-01306      | OPTIGARD<br>FLEX LIQUID | SYNGENTA<br>CROP<br>PROTECTIO<br>N, LLC |

#### Specified Ingredient Incidents

| . otal itom             | J       | ituilled i 145                                                                                                                                                                                                                                                                                                                                             |            |                                         |            |                |             |     |             |                      |            |                    |                   | , - ,                                                                                                            |            |
|-------------------------|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----------------------------------------|------------|----------------|-------------|-----|-------------|----------------------|------------|--------------------|-------------------|------------------------------------------------------------------------------------------------------------------|------------|
| Package and<br>Report # | Pg<br># | Package Description                                                                                                                                                                                                                                                                                                                                        | Stat<br>us | Submitter                               | Inc. Date  | City           | County      | St. | Cou<br>ntry | Exp.<br>Sev.<br>Code | PC<br>Code | Ingredient<br>Name | Registration<br># | Product<br>Name                                                                                                  | Registrant |
| 023924-00018            | 13      | Syngenta: 7 GW-A & 3 DW-A, atrazine; 2 GW-A & 2 DW-A, simazine: 7 H-C, headache, difference in hearing, diarrhea, nausea, vomiting, rash, itching, fever, earache, cough, hives/welts, facial swelling, pruritus, dermal irritation, respiratory irritation, shaking, ocular chemical burns.                                                               | N          | SYNGENTA<br>CROP<br>PROTECTIO<br>N, LLC | 03/19/2012 |                | ONTARI<br>O |     | CN          | НС                   | 060109     | Thiamethoxa<br>m   |                   | CRUISER<br>MAXX BEANS<br>SEED<br>TREATMENT<br>(CANADA<br>28821)                                                  |            |
| 023967-00001            | 1       | Bee kill in stockpile location<br>Elbow Lake, MN, May 1, 2012.<br>Nearby farmer was planting<br>corn the night before the bee<br>kill occurred. The seed bag<br>label said: P9630AM1 contained<br>"Liberty Link, Herculex XTRA,<br>Poncho 1250, and Optimum<br>Acre Max 1." Also see I024308.<br>MRID 48921601 is Bayer's<br>analysis of the same incident | N          | OLD MILL<br>HONEY CO.                   | 05/01/2012 | ELBOW<br>LAKE  |             | MN  | US          | ON                   | 060109     | Thiamethoxa<br>m   |                   | P9630AM1<br>CONTAINING<br>"LIBERTY<br>LINK,<br>HERCULEX<br>XTRA,<br>PONCHO<br>1250, AND<br>OPTIMUM<br>ACRE MAX 1 |            |
| 023981-00001            | 1       | Health Canada web site: Monteregie region, Quebec bee kill report. Bee hives affected during the sowing of corn and soybean seeds. Dead bees analyzed by Quebec Ministry. Clothianidin, thiamethoxam, fenitrothion and atrazine detected. Fenitrothion is no longer registered for use in Canada.                                                          | N          | U.S. EPA,<br>OPP, EFED                  | 06/01/2011 | MONTE<br>REGIE | QUEBEC      |     | CN          | ON                   | 060109     | Thiamethoxa<br>m   |                   | THIAMETHOX<br>AM                                                                                                 |            |
| 024031-00001            | 2       | 3 Canadian bee kills from Canadian PMRA, all in Ontario, Canada, during the month of April. All 3 involve nearby corn being planted with Pioneer corn seed (treated with Thiamethoxam) and Dekalb corn seed (treated with Clothianidin).                                                                                                                   | N          | U.S. EPA,<br>OPP, EFED                  | 04/18/2012 | SARNIA         | ONTARI<br>O |     | CN          | ON                   | 060109     | Thiamethoxa<br>m   |                   | PIONEER<br>CORN SEED<br>TREATED<br>WITH PPST<br>250                                                              |            |

#### Specified Ingredient Incidents

| Package and<br>Report # | Pg<br># | Package Description                                                                                                                                                                                                                                                                                                                                               | Stat<br>us | Submitter              | Inc. Date  | City          | County                                         | St. | Cou<br>ntry | Exp.<br>Sev. | PC<br>Code | Ingredient<br>Name | Registration<br># | Product<br>Name                                             | Registrant |
|-------------------------|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------------------|------------|---------------|------------------------------------------------|-----|-------------|--------------|------------|--------------------|-------------------|-------------------------------------------------------------|------------|
| 024031-00002            | 6       | 3 Canadian bee kills from Canadian PMRA, all in Ontario, Canada, during the month of April. All 3 involve nearby corn being planted with Pioneer corn seed (treated with Thiamethoxam) and Dekalb corn seed (treated with Clothianidin).                                                                                                                          | N          | U.S. EPA,<br>OPP, EFED | 04/08/2012 | BLUEWA<br>TER | ONTARI<br>O                                    |     | CN          | ON           | 060109     | Thiamethoxa<br>m   |                   | PIONEER<br>CORN SEED<br>TREATED<br>WITH<br>THIAMETHOX<br>AM |            |
| 024031-00003            | 10      | 3 Canadian bee kills from Canadian PMRA, all in Ontario, Canada, during the month of April. All 3 involve nearby corn being planted with Pioneer corn seed (treated with Thiamethoxam) and Dekalb corn seed (treated with Clothianidin).                                                                                                                          | N          | U.S. EPA,<br>OPP, EFED | 04/17/2012 | HENSAL<br>L   | ONTARI<br>O                                    |     | CN          | ON           | 060109     | Thiamethoxa<br>m   |                   | PIONEER<br>CORN SEED<br>TREATED<br>WITH<br>THIAMETHOX<br>AM |            |
| 024124-00001            | 1       | Canadian PMRA report: honey bee kill in Lambton & Middlesex counties, Ontario. Suspect: Thiamethoxam treated corn seed PCP Reg # 27045 used, but samples not yet analyzed. Death of individual bees, not full hivees, early symptoms=twitching with loss of bees' body movements. Per hive about 100 bees. Total approximately 56000 bees. PMRA report #2012-2091 | N          | U.S. EPA,<br>OPP, EFED | 04/15/2012 |               | LAMBTO<br>N &<br>MIDDLES<br>EX,<br>ONTARI<br>O |     | CN          | ON           | 060109     | Thiamethoxa<br>m   |                   | THIAMETHOX<br>AM (CANADA<br>27045)                          |            |
| 024127-00001            | 1       | Austrian research paper: summary of bee losses in corn and canola growing regions, 2009-2011. Also treated oilseed pumpkin seed regions. Multiple chemicals. See also I024327                                                                                                                                                                                     | N          | U.S. EPA,<br>OPP, EFED | 01/01/2009 |               |                                                |     | AT          | ON           | 060109     | Thiamethoxa<br>m   |                   | THIAMETHOX<br>AM                                            |            |

#### Specified Ingredient Incidents

| Package and<br>Report # | Pg<br># | Package Description                                                                                                                                                                                                                                                                                                                                                                                                                 | Stat<br>us | Submitter                                | Inc. Date  | City        | County      | St. | Cou<br>ntry | Exp.<br>Sev.<br>Code | PC<br>Code | Ingredient<br>Name | Registration<br># | Product<br>Name                                                 | Registrant                              |
|-------------------------|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------------------------------------|------------|-------------|-------------|-----|-------------|----------------------|------------|--------------------|-------------------|-----------------------------------------------------------------|-----------------------------------------|
| 024173-00001            | 1       | Email: Beekill in New York. Roughly 260 colonies had piles of dead bees in front of colonies and extended 25 ft; out of the 260, 12 were killed outright. A large number of the bees at the entrance were male drones. Growers in the area have been applying Roundup in combination with insecticides to control armyworms in corn fields. Phosmet was high in bee sample and captan high in pollen sample. Viruses also detected. | N          |                                          | 06/20/2012 |             |             | NY  | US          | ON                   | 060109     | Thiamethoxa<br>m   |                   | ENDIGO                                                          | SYNGENTA<br>CROP<br>PROTECTIO<br>N, LLC |
| 024186-00194            | 17      | Syngenta: May 1-May 30, 2012: 193 SW-A and DW-A incidents with atrazine and simazine; 2 H-B, a)accidental ingestion, burning throat, vomiting, creatine increase; b)exposure to fumes, myocardial infarction, malaise, shortness of breath; 11 H-C, dermal bumps, pruritus, erythema, swelling, dizziness, nausea, ocular swelling and irritation, numbness.                                                                        | N          | SYNGENTA<br>CROP<br>PROTECTIO<br>N, INC. | 05/21/2012 |             |             | GA  | US          | НС                   | 060109     | Thiamethoxa<br>m   |                   | AVICTA<br>COMPLETE<br>PAK                                       |                                         |
| 024265-00001            | 1       | Update to I023225 Pomurje<br>Region, eastern Slovenia bee<br>kill in 2011. The active<br>ingredients clothianidin and<br>thiamethoxam were detected in<br>the bee samples. These were<br>the main ingredients of Poncho<br>Pro and Cruiser, two products<br>used on maize seeds.                                                                                                                                                    | U          | U.S. EPA,<br>OPP, EFED                   | 04/01/2011 | POMURJ<br>E |             |     | SD          | ON                   | 060109     | Thiamethoxa<br>m   |                   | CRUISER                                                         | SYNGENTA<br>CROP<br>PROTECTIO<br>N, LLC |
| 024275-00067            | 32      | Syngenta: 59 surface water and drinking water reports concerning atrazine; 21 H-C: respiratory distress, nausea, muscle spasms, fever, chills, headache, burning nostrils, blisters, vomiting, dizziness, paraesthesia, ocular swelling, itching, ocular discharge, cough, wheezing.                                                                                                                                                | N          | SYNGENTA<br>CROP<br>PROTECTIO<br>N, INC. | 05/22/2012 |             | ONTARI<br>O |     | CN          | НС                   | 060109     | Thiamethoxa<br>m   |                   | CRUISER<br>MAXX BEANS<br>SEED<br>TREATMENT<br>(CANADA<br>28821) |                                         |

#### Specified Ingredient Incidents

| Package and<br>Report # | Pg<br># | Package Description                                                                                                                                                                                                                                                                                                                                                          | Stat<br>us | Submitter                                | Inc. Date  | City          | County                                            | St. | Cou<br>ntry | Exp.<br>Sev.<br>Code | PC<br>Code | Ingredient<br>Name | Registration<br>#       | Product<br>Name                                                         | Registrant                              |
|-------------------------|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------------------------------------|------------|---------------|---------------------------------------------------|-----|-------------|----------------------|------------|--------------------|-------------------------|-------------------------------------------------------------------------|-----------------------------------------|
| 024308-00001            | 1       | Bayer CropScience report: Update to I023967: draft report on Elbow Lake MN bee kill. Neither clothianidin nor thiamethoxam was detected in dead bee samples. Clothianidin was detected in bee pollen (21 ppb -not likely to be lethal)and soil samples at (2- 22 ppb). Many other chemicals used on seed and soil nearby. See MRID 48921601 for final version of this report | U          |                                          | 05/12/2012 | ELBOW<br>LAKE |                                                   | MN  | US          | ON                   | 060109     | Thiamethoxa<br>m   |                         | THIAMETHOX<br>AM                                                        |                                         |
| 024327-00001            | 1       | WWW: internet summary of<br>bee research in Austria.<br>Pesticide residue testing<br>performed on numerous bee kill<br>samples for 2009-2010. See<br>also I024127                                                                                                                                                                                                            | U          | U.S. EPA,<br>OPP,<br>ITRMD, ISB          | 01/01/2009 |               | STYRIA,<br>UPPER<br>AUSTRIA<br>,<br>CARINTH<br>IA |     | AT          | ON                   | 060109     | Thiamethoxa<br>m   |                         | THIAMETHOX<br>AM                                                        |                                         |
| 024438-00031            | 96      | SC Johnson: July 2012; 35 H-C; confusion, respiratory depression, hives/welts, palpitations, lethargy, anorexia, nausea, tingling, conjunctivitis, insomnia, headache, dyspnea, diarrhea, malaise, syncope, memory loss, vomiting, rash, nerve damage.                                                                                                                       | N          | SC<br>JOHNSON                            | 07/25/2012 | TROY          |                                                   | ОН  | US          | HC                   | 060109     | Thiamethoxa<br>m   | 000100-01261<br>-004822 | RAID ANT<br>GEL 1.06 OZ                                                 | SYNGENTA<br>CROP<br>PROTECTIO<br>N, LLC |
| 024497-00006            | 17      | Syngenta: 1 H-B, pancreatitis, vomiting, dizziness, inability to stand, 9 H-C, cough, unpleasant taste, pruritus, dermal irritation, dermal burn, fever, muscle weakness, muscle aches, nasal irritation, chest tightness, asthma for over two weeks, hives/rash, headache, elevated liver enzymes, shortness of breath.                                                     | N          | SYNGENTA<br>CROP<br>PROTECTIO<br>N, INC. | 08/11/2012 |               |                                                   | IN  | US          | НВ                   | 060109     | Thiamethoxa<br>m   | 000100-01334<br>-085579 | MAXIDE<br>DUAL<br>ACTION<br>INSECT<br>KILLER<br>CONCENTRA<br>TE 38.4 OZ | SYNGENTA<br>CROP<br>PROTECTIO<br>N, LLC |

#### Specified Ingredient Incidents

|                         |         | turried: 145                                                                                                                                                                                                                                                                                                                                                                                                                                  |            |                                          |            | 1                      |        |     | 1-      |                      |            | _                  |                   | 1/01/2013 0:0              | 1                                       |
|-------------------------|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------------------------------------|------------|------------------------|--------|-----|---------|----------------------|------------|--------------------|-------------------|----------------------------|-----------------------------------------|
| Package and<br>Report # | Pg<br># | Package Description                                                                                                                                                                                                                                                                                                                                                                                                                           | Stat<br>us | Submitter                                | Inc. Date  | City                   | County | St. | Country | Exp.<br>Sev.<br>Code | PC<br>Code | Ingredient<br>Name | Registration<br># | Product<br>Name            | Registrant                              |
| 024604-00006            | 16      | Syngenta: indiv. reports, Sept. 2012: 1 S-A with atrazine; 1 H-B, hypertension, esophagitis, vomiting, creatinine increase; 12 H-C, pruritus, sweating, miosis, cough, congestion, rash, joint pain, hives/welts, dizziness, melena, nose bleed, fasciculations, blurred vision, tingling, lethargy, numbness, nausea, vomiting, swelling in the mouth and cough.                                                                             | N          | SYNGENTA<br>CROP<br>PROTECTIO<br>N, INC. | 09/24/2012 |                        |        | NC  | US      | НС                   | 060109     | Thiamethoxa<br>m   | 000100-01305      | CRUISER<br>MAXX<br>CEREALS | SYNGENTA<br>CROP<br>PROTECTIO<br>N, LLC |
| 024722-00005            | 15      | Syngenta: 6 H-C, erythema, anorexia, fever, cough, urticaria, congestion, spits up white phlegm, respiratory irritation, shortness of breath, wheezing, throat irritation, nose bleed, pruritus, dizziness, corneal abrasion, ocular irritation.                                                                                                                                                                                              | N          | SYNGENTA<br>CROP<br>PROTECTIO<br>N, INC. | 10/11/2012 |                        |        | IL  | US      | HC                   | 060109     | Thiamethoxa<br>m   | 000100-00941      | CRUISER 5FS                | SYNGENTA<br>CROP<br>PROTECTIO<br>N, LLC |
| 025007-00001            | 1       | Bayer: analysis of bee kills in relation to alleged pesticide exposure and planting of treated corn seed, Indiana, spring 2012. Clothianidin and many other pesticides were detected in bee samples. Limited evidence for starvation, nutritional deficiency and Nosema infestation. This is the same report as 48966501. Update to I023902-001.                                                                                              | U          | BAYER<br>CROPSCIEN<br>CE                 | 04/19/2012 | NEAR<br>MANCHE<br>STER |        | IN  | US      | ON                   | 060109     | Thiamethoxa<br>m   |                   | THIAMETHOX<br>AM           |                                         |
| 025021-00001            | 1       | Monsanto: pending lawsuit: 1 case of multiple hospitalizations and an unspecified number of D-B major domestic animal cases. 67 year old female who breeds dogs was a part-time hospice nurse. Claims glyphosate sprayed on peach and pecan orchards made her and her dogs sick. At one point she was drenched by a passing tractor. Her hair fell out, fatigue, asthma, etc. Several terrier puppies born with organs outside of their body. | N          | MONSANTO<br>CO.                          | 04/01/2010 | FORT<br>VALLEY         | PEACH  | GA  | US      | HB,<br>DB            | 060109     | Thiamethoxa<br>m   |                   | ACTARA                     | SYNGENTA<br>CROP<br>PROTECTIO<br>N LLC  |

# Specified Ingredient Incidents

| . otal itom             | J       | tuilleu . 143                                                                                                                                                                                                                                                                                                                                                                         |            |                                          |            |                |        |     |             |                      |            |                    | <b>a</b>          |                      |                                         |
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| Package and<br>Report # | Pg<br># | Package Description                                                                                                                                                                                                                                                                                                                                                                   | Stat<br>us | Submitter                                | Inc. Date  | City           | County | St. | Cou<br>ntry | Exp.<br>Sev.<br>Code | PC<br>Code | Ingredient<br>Name | Registration<br># | Product<br>Name      | Registrant                              |
| 025110-00010            | 18      | Syngenta Crop Protection: 6 H-<br>C, 3 SW-A, 1 DW-A. Symptoms<br>include erythema, cough,<br>cracked skin, peeling skin,<br>chest pain, hypertension, throat<br>irritation, nose bleed, swollen<br>throat, ringing in the ears,<br>fever, dizziness, cough.                                                                                                                           | N          | SYNGENTA<br>CROP<br>PROTECTIO<br>N, INC. | 03/16/2013 |                |        | AR  | US          | НС                   | 060109     | Thiamethoxa<br>m   | 000100-01369      | CRUISERMAX<br>X RICE | SYNGENTA<br>CROP<br>PROTECTIO<br>N, LLC |
| 025155-00001            | 1       | Email: alleged bee kill in western MN. Bees on their backs in front of the colonies. 1300+ hives allegedly affected. Bees foraged in pussy willows. corn had been planted to the N & E of the site in the last few days. Bees scattered through snow covered areas and in puddles on the site. EFED considers this an update to 1025176. Residue sample analysis is found in 1025318. | U          | U.S. EPA,<br>REGION 5                    | 05/07/2013 | WESTER<br>N MN |        | MN  | US          | ON                   | 060109     | Thiamethoxa<br>m   |                   | THIAMETHOX<br>AM     |                                         |
| 025176-00001            | 1       | Email: bee kill in Elbow Lake,<br>MN shortly after neonicotinoid<br>corn was planted, May 2013.<br>Includes link to Youtube video.<br>EFED considers I025155-001 to<br>be an update to I025176.<br>Residue sample analysis is<br>provided in I025318-001.                                                                                                                             | N          |                                          | 05/07/2013 | ELBOW<br>LAKE  | GRANT  | MN  | US          | ON                   | 060109     | Thiamethoxa<br>m   |                   | THIAMETHOX<br>AM     |                                         |
| 025215-00022            | 23      | Syngenta: 8 H-C, 15 SW-A,<br>April 2013                                                                                                                                                                                                                                                                                                                                               | N          | SYNGENTA<br>CROP<br>PROTECTIO<br>N, INC. | 04/29/2013 | SAN<br>MARCOS  |        | CA  | US          | HC                   | 060109     | Thiamethoxa<br>m   | 000100-00943      | MERIDIAN             | SYNGENTA<br>CROP<br>PROTECTIO<br>N, LLC |
| 025271-00001            | 1       | via NPIC Eco Portal: beekeeper had 200 hives in one area in Minnesota. On May 15,2013 reporter noticed hundreds of dead bees in front of hives plus dead bees scattered around the entire area. Hives had dwindled down to only the baby bees, workers were now dead. Samples taken and residue results are found in 1025505-001. Weak hives, no honey.                               | N          |                                          | 05/15/2013 | WINTHR<br>OP   | SIBLEY | MN  | US          | ON                   | 060109     | Thiamethoxa<br>m   |                   | THIAMETHOX<br>AM     |                                         |

#### Specified Ingredient Incidents

| Total Rows              | ) N     | eturnea: 145                                                                                                                                                                                                                                                                                                 |            |                                                                           |            |                     |                  | _   |             |                      |            | орол с Бисс        | ox IIIIe. U       | ., 0 ., 2013 010                                            | 010 1 1 1 1 0 1 1                       |
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| Package and<br>Report # | Pg<br># | Package Description                                                                                                                                                                                                                                                                                          | Stat<br>us | Submitter                                                                 | Inc. Date  | City                | County           | St. | Cou<br>ntry | Exp.<br>Sev.<br>Code | PC<br>Code | Ingredient<br>Name | Registration<br># | Product<br>Name                                             | Registrant                              |
| 025318-00001            | 1       | Update to I025176: bee kill incident, Grant Lake, MN. Residue analysis of samples shows clothianidin at 41.7 ppb and thiamethoxam at 6.8 ppb                                                                                                                                                                 | U          | NATIONAL<br>POLLINATO<br>R DEFENSE<br>FUND                                | 05/01/2013 | ELBOW<br>LAKE       | GRANT            | MN  | US          | ON                   | 060109     | Thiamethoxa<br>m   |                   | THIAMETHOX<br>AM                                            |                                         |
| 025330-00002            | 6       | Syngenta: Includes 18 human events, 1 wildlife event and multiple ground water and drinking water contamination.                                                                                                                                                                                             | N          | SYNGENTA<br>CROP<br>PROTECTIO<br>N, INC.                                  | 05/13/2013 |                     |                  |     | CN          | ON                   | 060109     | Thiamethoxa<br>m   | 000100-01508      | CRUISER<br>MAXX<br>VIBRANCE<br>BEANS                        | SYNGENTA<br>CROP<br>PROTECTIO<br>N, LLC |
| 025330-00004            | 11      | Syngenta: Includes 18 human events, 1 wildlife event and multiple ground water and drinking water contamination.                                                                                                                                                                                             | N          | SYNGENTA<br>CROP<br>PROTECTIO<br>N, INC.                                  | 05/11/2013 |                     | ONTARI<br>O      |     | CN          | HC                   | 060109     | Thiamethoxa<br>m   |                   | (CANADA)<br>CRUISER<br>MAXX<br>VIBRANCE<br>BEANS            |                                         |
| 025330-00006            | 17      | Syngenta: Includes 18 human events, 1 wildlife event and multiple ground water and drinking water contamination.                                                                                                                                                                                             | N          | SYNGENTA<br>CROP<br>PROTECTIO<br>N, INC.                                  | 05/28/2013 |                     | ONTARI<br>O      |     | CN          | HC                   | 060109     | Thiamethoxa<br>m   | 028821            | CRUISER<br>MAXX BEANS<br>SEED<br>TREATMENT                  |                                         |
| 025458-00006            | 18      | Syngenta: 19 H-C & P-A<br>reports, 148 SW-A and DW-A<br>detects                                                                                                                                                                                                                                              | N          | SYNGENTA<br>CROP<br>PROTECTIO<br>N, INC.                                  | 06/11/2013 |                     | SASKATC<br>HEWAN |     | CN          | HC                   | 060109     | Thiamethoxa<br>m   |                   | CRUISER<br>MAXX<br>VIBRANCE<br>CEREALS<br>(CANADA<br>30436) |                                         |
| 025462-00001            | 1       | Syngenta: 100 honey bees died outside a house after Optigard Flex Inscticide was sprayed. Bees came from a hive inside the house, Watkinsville, GA.                                                                                                                                                          | N          | SYNGENTA<br>CROP<br>PROTECTIO<br>N, INC.                                  | 06/19/2013 | WATKIN<br>SVILLE    |                  | GA  | US          | ON                   | 060109     | Thiamethoxa<br>m   | 000100-01306      | OPTIGARD<br>FLEX                                            | SYNGENTA<br>CROP<br>PROTECTIO<br>N, LLC |
| 025469-00001            | 1       | Bayer CropScience: bee kill in Elbow Lake area, MN. Update to I023967. Thiamethoxam and clothianidin found in residues.                                                                                                                                                                                      | U          | BAYER<br>CROPSCIEN<br>CE                                                  | 05/07/2013 | ELBOW<br>LAKE       |                  | MN  | US          | ON                   | 060109     | Thiamethoxa<br>m   |                   | THIAMETHOX<br>AM                                            |                                         |
| 025475-00001            | 1       | DuPont: tank mix used on apple orchad in Wayne Co., NY including Fonelis. Allegedly caused burning of leaves in some apple varieties. Grower alleges that over thinning was caused by Fontelis. No specific acreage is recorded, but initial reports indicate a "large percentage" of some orchards treated. | N          | DUPONT<br>CROP<br>PROTECTIO<br>N, STINE-<br>HASKELL<br>RESEARCH<br>CENTER | 05/01/2013 | NEAR<br>WOLCO<br>TT | WAYNE            | NY  | US          | PA                   | 060109     | Thiamethoxa<br>m   | 000100-01276      | ENDIGO                                                      | SYNGENTA<br>CROP<br>PROTECTIO<br>N, LLC |
| 025505-00001            | 1       | Update to I025271-001:<br>clothianidin and thiamethoxam<br>found in bee residue from<br>Sibley Co. MN bee kill.                                                                                                                                                                                              | U          |                                                                           | 05/15/2013 | WINTHR<br>OP?       | SIBLEY           | MN  | US          | ON                   | 060109     | Thiamethoxa<br>m   |                   | THIAMETHOX<br>AM                                            |                                         |

#### Specified Ingredient Incidents

| Package and  | Pg | Package Description                                                                                                                                                                                                                                                                                                     | Stat | Submitter                                | Inc. Date  | City                 | County      | St. | Cou  | Exp.         | PC     | Ingredient       | Registration | Product                     | Registrant                              |
|--------------|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------------------------------------|------------|----------------------|-------------|-----|------|--------------|--------|------------------|--------------|-----------------------------|-----------------------------------------|
| Report #     | #  |                                                                                                                                                                                                                                                                                                                         | us   |                                          |            |                      |             |     | ntry | Sev.<br>Code | Code   | Name             | #            | Name                        |                                         |
| 025530-00001 | 1  | Email: update to I025271-001<br>and I025505 bee kill. Corn was<br>being planted when bees<br>started dying, Sibley Co., MN.                                                                                                                                                                                             | U    |                                          | 05/15/2013 | WINTHR<br>OP?        | SIBLEY      | MN  | US   | ON           | 060109 | Thiamethoxa<br>m |              | THIAMETHOX<br>AM            |                                         |
| 025662-00001 | 1  | via NPIC Eco Portal: bees seen on their backs with legs moving fast. Dying in the fields and on the gravel twitching 400 yards away from hive. Bees were placed near corn field. Beekeeper alleges due to neonicotinoid treated corn seed dust. Clothianidin and thiamethoxam were detected in pollen residue analysis. | N    |                                          | 05/07/2013 |                      | GRANT       | MN  | US   | ON           | 060109 | Thiamethoxa<br>m |              | THIAMETHOX<br>AM            |                                         |
| 025665-00001 | 1  | Syngenta Crop Protection:<br>increased mortality at two bee<br>hives near Watford, Ontario,<br>Canada after use of Endigo on<br>soybeans.                                                                                                                                                                               | N    | SYNGENTA<br>CROP<br>PROTECTIO<br>N, INC. | 08/20/2013 | NEAR<br>WATFO<br>RD  | ONTARI<br>O |     | CN   | ON           | 060109 | Thiamethoxa<br>m |              | ENDIGO<br>(CANADA<br>30404) | SYNGENTA                                |
| 025856-00002 | 2  | Syngenta: plant damage incidents Nov. 2012-Oct. 2013. Includes 82 P-A majors and 13 aggregate summaries for P-B minor cases.                                                                                                                                                                                            | N    | SYNGENTA<br>CROP<br>PROTECTIO<br>N, INC. | 08/06/2013 | BANCRO<br>FT         |             | WI  | US   | PA           | 060109 | Thiamethoxa<br>m | 000100-00941 | CRUISER 5FS                 | SYNGENTA<br>CROP<br>PROTECTIO<br>N, LLC |
| 025981-00002 | 13 | Bayer CropScience: 7 full Bayer investigations of bee kills plus 1 brief summary of another bee kill incident, 2013. All are updates to previous reports in I025484 and others.                                                                                                                                         | U    | BAYER<br>CROPSCIEN<br>CE                 | 05/13/2013 | NEAR<br>WINTHR<br>OP |             | MN  | US   | ON           | 060109 | Thiamethoxa<br>m |              | THIAMETHOX<br>AM            |                                         |
| 025981-00003 | 40 | Bayer CropScience: 7 full Bayer investigations of bee kills plus 1 brief summary of another bee kill incident, 2013. All are updates to previous reports in 1025484 and others.                                                                                                                                         | U    | BAYER<br>CROPSCIEN<br>CE                 | 05/15/2013 | NEAR<br>PENFIEL<br>D |             | IL  | US   | ON           | 060109 | Thiamethoxa<br>m |              | CLOTHIANIDI<br>N            |                                         |
| 025981-00003 | 40 | Bayer CropScience: 7 full Bayer investigations of bee kills plus 1 brief summary of another bee kill incident, 2013. All are updates to previous reports in I025484 and others.                                                                                                                                         | U    | BAYER<br>CROPSCIEN<br>CE                 | 05/15/2013 | NEAR<br>PENFIEL<br>D |             | IL  | US   | ON           | 060109 | Thiamethoxa<br>m |              | THIAMETHOX<br>AM            |                                         |
| 025981-00008 | 4  | Bayer CropScience: 7 full Bayer investigations of bee kills plus 1 brief summary of another bee kill incident, 2013. All are updates to previous reports in I025484 and others.                                                                                                                                         | U    | BAYER<br>CROPSCIEN<br>CE                 | 05/07/2013 | ELBOW<br>LAKE        |             | MN  | US   | ON           | 060109 | Thiamethoxa<br>m |              | THIAMETHOX<br>AM            |                                         |

# Specified Ingredient Incidents

| Package and<br>Report # | Pg<br># | Package Description                                                                                                                                                                                                                                                                                                                                     | Stat<br>us | Submitter                                | Inc. Date  | City                | County                 | St. | Cou<br>ntry | Exp.<br>Sev.<br>Code | PC<br>Code | Ingredient<br>Name | Registration<br>#       | Product<br>Name                               | Registrant                              |
|-------------------------|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------------------------------------|------------|---------------------|------------------------|-----|-------------|----------------------|------------|--------------------|-------------------------|-----------------------------------------------|-----------------------------------------|
| 026342-00019            | 12      | Syngenta Crop Protection: 16<br>SW-A, 3 H-B (including scrotal<br>skin surgery, aplastic anemia,<br>collapsing after swelling in<br>legs), 7 H-C, March 2014.                                                                                                                                                                                           | N          | SYNGENTA<br>CROP<br>PROTECTIO<br>N, INC. | 02/27/2014 |                     |                        | СО  | US          | HC                   | 060109     | Thiamethoxa<br>m   | 000100-01260            | OPTIGARD<br>ANT GEL<br>BAIT                   | SYNGENTA<br>CROP<br>PROTECTIO<br>N, LLC |
| 026342-00020            | 14      | Syngenta Crop Protection: 16<br>SW-A, 3 H-B (including scrotal<br>skin surgery, aplastic anemia,<br>collapsing after swelling in<br>legs), 7 H-C, March 2014.                                                                                                                                                                                           | N          | SYNGENTA<br>CROP<br>PROTECTIO<br>N, INC. | 03/03/2014 |                     |                        | KY  | US          | HC                   | 060109     | Thiamethoxa<br>m   |                         | CRUISER<br>MAXX CORN<br>250                   |                                         |
| 026452-00002            | 6       | Email: Canadian beekeeper's residue sample reports from 2012 and 2013 for Ontario showing neonicotinoid detects. Also PMRA publications: Evaluation of Canadian Bee Mortalities that Coincided with Corn Planting in Spring 2012 and Evaluation of Canadian Bee Mortalities in 2013 Related to Neonicotinoid Pesticides, Interim Report, Sept. 26, 2013 | N          |                                          | 01/01/2012 |                     | ONTARI<br>O,<br>QUEBEC |     | CN          | ON                   | 060109     | Thiamethoxa<br>m   |                         | THIAMETHOX<br>AM                              |                                         |
| 026465-00037            | 8       | Syngenta: 4 H-B, 6 H-C, 36<br>SW-A, April 2014                                                                                                                                                                                                                                                                                                          | N          | SYNGENTA<br>CROP<br>PROTECTIO<br>N, INC. | 04/17/2014 | WEST<br>CHESTE<br>R |                        | OH  | US          | HC                   | 060109     | Thiamethoxa<br>m   | 000100-01261<br>-004822 | RAID ANT<br>GEL                               | SYNGENTA<br>CROP<br>PROTECTIO<br>N, LLC |
| 026465-00040            | 17      | Syngenta: 4 H-B, 6 H-C, 36<br>SW-A, April 2014                                                                                                                                                                                                                                                                                                          | N          | SYNGENTA<br>CROP<br>PROTECTIO<br>N, INC. | 04/07/2014 |                     |                        | МО  | US          | НВ                   | 060109     | Thiamethoxa<br>m   | 000100-01247            | CRUISER MAXX BEANS INSECTICIDE WITH FUNGICIDE | SYNGENTA<br>CROP<br>PROTECTIO<br>N, LLC |
| 026465-00041            | 20      | Syngenta: 4 H-B, 6 H-C, 36<br>SW-A, April 2014                                                                                                                                                                                                                                                                                                          | N          | SYNGENTA<br>CROP<br>PROTECTIO<br>N, INC. | 04/07/2014 |                     |                        | МО  | US          | HC                   | 060109     | Thiamethoxa<br>m   | 000100-01247            | CRUISER MAXX BEANS INSECTICIDE WITH FUNGICIDE | SYNGENTA<br>CROP<br>PROTECTIO<br>N, LLC |
| 026465-00042            | 23      | Syngenta: 4 H-B, 6 H-C, 36<br>SW-A, April 2014                                                                                                                                                                                                                                                                                                          | N          | SYNGENTA<br>CROP<br>PROTECTIO<br>N, INC. | 02/23/2014 |                     |                        | IL  | US          | HC                   | 060109     | Thiamethoxa<br>m   | 000100-01437            | TANDEM                                        | SYNGENTA<br>CROP<br>PROTECTIO<br>N, LLC |
| 026465-00043            | 27      | Syngenta: 4 H-B, 6 H-C, 36<br>SW-A, April 2014                                                                                                                                                                                                                                                                                                          | N          | SYNGENTA<br>CROP<br>PROTECTIO<br>N, INC. | 02/25/2014 |                     |                        | SC  | US          | HC                   | 060109     | Thiamethoxa<br>m   | 000100-01437            | TANDEM                                        | SYNGENTA<br>CROP<br>PROTECTIO<br>N, LLC |

#### Specified Ingredient Incidents

|                         |         | eturnea : 145                                                                                                                                                                                                                                                                                                                                            | G: -       |                                          |            | 6:1                   |             | -   |     |                      | D.C        |                    |                         |                                                                                       |                                         |
|-------------------------|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------------------------------------|------------|-----------------------|-------------|-----|-----|----------------------|------------|--------------------|-------------------------|---------------------------------------------------------------------------------------|-----------------------------------------|
| Package and<br>Report # | Pg<br># | Package Description                                                                                                                                                                                                                                                                                                                                      | Stat<br>us | Submitter                                | Inc. Date  | City                  | County      | St. | Cou | Exp.<br>Sev.<br>Code | PC<br>Code | Ingredient<br>Name | Registration<br>#       | Product<br>Name                                                                       | Registrant                              |
| 026468-00001            | 1       | Bayer: increase in bee deaths while soybeans were being planted: anhydrous injecting. 6 hives out of 16 with high numbers of dead bees. Home owners were treating lawns with fertilizer and weed killer. Clothianidin and thiamethoxam and TZNG were detected in bee samples. Registrant says residues confirmed clothianidin product. See also I026791. | N          | BAYER<br>CROPSCIEN<br>CE                 | 05/04/2014 | LA<br>FONTAI<br>NE    |             | IN  | US  | ON                   | 060109     | Thiamethoxa<br>m   |                         | THIAMETHOX<br>AM                                                                      |                                         |
| 026492-00001            | 1       | Bee kill in Ontario, summer 2013: results of PMRA residue tests in soil, vegetation showed clothianidin and thiamethoxam. Over 80% of hives lost on into 2014.                                                                                                                                                                                           | N          |                                          | 07/01/2013 | NEAR<br>COOKST<br>OWN | ONTARI<br>O |     | CN  | ON                   | 060109     | Thiamethoxa<br>m   |                         | THIAMETHOX<br>AM                                                                      |                                         |
| 026601-00079            | 18      | Syngenta Crop Protection: 75<br>SW-A detects, 18 H-C, 2 H-B,<br>May 2014                                                                                                                                                                                                                                                                                 | N          | SYNGENTA<br>CROP<br>PROTECTIO<br>N, INC. | 05/02/2014 |                       |             | UT  | US  | НС                   | 060109     | Thiamethoxa<br>m   | 000100-01289<br>-085579 | MAXIDE PROFESSION AL GRADE GRUB KILLER FOR LAWNS, LANDSCAPE PLANTINGS AND FLOWER BEDS | SYNGENTA<br>CROP<br>PROTECTIO<br>N, LLC |
| 026601-00083            | 30      | Syngenta Crop Protection: 75<br>SW-A detects, 18 H-C, 2 H-B,<br>May 2014                                                                                                                                                                                                                                                                                 | N          | SYNGENTA<br>CROP<br>PROTECTIO<br>N, INC. | 05/09/2014 |                       |             | NM  | US  | HC                   | 060109     | Thiamethoxa<br>m   | 000100-01399            | AVICTA<br>COMPLETE<br>CORN 500                                                        | SYNGENTA<br>CROP<br>PROTECTIO<br>N, LLC |
| 026601-00088            | 45      | Syngenta Crop Protection: 75<br>SW-A detects, 18 H-C, 2 H-B,<br>May 2014                                                                                                                                                                                                                                                                                 | N          | SYNGENTA<br>CROP<br>PROTECTIO<br>N, INC. | 05/20/2014 | ACKERM<br>AN          |             | MS  | US  | HC                   | 060109     | Thiamethoxa<br>m   | 000100-01438            | CRUISERMAX<br>X PEANUTS                                                               | SYNGENTA<br>CROP<br>PROTECTIO<br>N, LLC |
| 026601-00089            | 48      | Syngenta Crop Protection: 75<br>SW-A detects, 18 H-C, 2 H-B,<br>May 2014                                                                                                                                                                                                                                                                                 | N          | SYNGENTA<br>CROP<br>PROTECTIO<br>N, INC. | 05/20/2014 |                       |             | NY  | US  | HC                   | 060109     | Thiamethoxa<br>m   | 000100-00941            | CRUISER 5FS                                                                           | SYNGENTA<br>CROP<br>PROTECTIO<br>N, LLC |
| 026737-00002            | 3       | WWW: summaries of published research: -001) neonicotinoids found in 9 test sites in Iowa and Nebraska streams002) In the Netherlands researcher found a close link between surface water contamination with imidacloprid and declines of insect-eating birds.                                                                                            | N          | U.S. EPA,<br>OPP,<br>ITRMD, ISB          | 01/01/2014 |                       |             |     | HL  | W, S                 | 060109     | Thiamethoxa<br>m   |                         | THIAMETHOX<br>AM                                                                      |                                         |

# Specified Ingredient Incidents

|                         |         | Daskage Description                                                                                                                                                                                                                                                                                                                                                                                                                                 | Chah       | Culonsitton                              | Inc. Date  | City               | Country     | Cr. | Cove | Exce                 | DC.        | Tuguadiant         | Dogiatustica            | Dyodust                                                                                                     | Dogistysyt                              |
|-------------------------|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------------------------------------|------------|--------------------|-------------|-----|------|----------------------|------------|--------------------|-------------------------|-------------------------------------------------------------------------------------------------------------|-----------------------------------------|
| Package and<br>Report # | Pg<br># | Package Description                                                                                                                                                                                                                                                                                                                                                                                                                                 | Stat<br>us | Submitter                                | Inc. Date  | City               | County      | St. | Cou  | Exp.<br>Sev.<br>Code | PC<br>Code | Ingredient<br>Name | Registration<br>#       | Product<br>Name                                                                                             | Registrant                              |
| 026738-00057            | 15      | Syngenta: 54 SW-1 surface water detects for atrazine from Interim Atrazine Ecological Monitoring Program, 8 H-C moderate human reports. Includes addendum with many extra major raw surface water detects from 3 watersheds in Iowa and Missouri under the Atrazine Ecological Monitoring Program (not drinking water). They include atrazine, metolachlor and mesotrione. Package includes 156 individual reports total and 3 aggregate summaries. | N          | SYNGENTA<br>CROP<br>PROTECTIO<br>N, INC. | 06/09/2014 |                    |             | AR  | US   | НС                   | 060109     | Thiamethoxa<br>m   | 000100-01369            | CRUISERMAX<br>X RICE                                                                                        | SYNGENTA<br>CROP<br>PROTECTIO<br>N, LLC |
| 026738-00061            | 28      | Syngenta: 54 SW-1 surface water detects for atrazine from Interim Atrazine Ecological Monitoring Program, 8 H-C moderate human reports. Includes addendum with many extra major raw surface water detects from 3 watersheds in Iowa and Missouri under the Atrazine Ecological Monitoring Program (not drinking water). They include atrazine, metolachlor and mesotrione. Package includes 156 individual reports total and 3 aggregate summaries. | N          | SYNGENTA<br>CROP<br>PROTECTIO<br>N, INC. | 06/24/2014 |                    |             | MO  | US   | НС                   | 060109     | Thiamethoxa<br>m   | 000100-01304<br>-085579 | MAXIDE<br>DUAL<br>ACTION<br>INSECT<br>KILLER FOR<br>LAWNS &<br>LANDSCAPE<br>PLANTING &<br>HOME<br>PERIMETER | SYNGENTA<br>CROP<br>PROTECTIO<br>N, LLC |
| 026791-00001            | 1       | Bayer CropScience: At least 6 hives affected with high numbers of dead bees, La Fontaine, IN. Home owners were treating lawns with fertilizer and weed killer. Neonicotinoid compounds clothianidin and thiamethoxam appear to have contributed to the elevated mortality. Updates 1026468                                                                                                                                                          | U          | BAYER<br>CROPSCIEN<br>CE                 | 05/05/2014 | LA<br>FONTAI<br>NE |             | IN  | US   | ON                   | 060109     | Thiamethoxa<br>m   |                         | THIAMETHOX<br>AM                                                                                            |                                         |
| 026799-00004            | 13      | 9 Canadian bee kill reports,<br>2012, downloaded from PMRA's<br>web site.                                                                                                                                                                                                                                                                                                                                                                           | N          | U.S. EPA,<br>OPP, EFED                   | 04/26/2012 | F.N.<br>LAND       | ONTARI<br>O |     | CN   | ON                   | 060109     | Thiamethoxa<br>m   |                         | THIAMETHOX<br>AM                                                                                            |                                         |
| 026799-00005            | 17      | 9 Canadian bee kill reports,<br>2012, downloaded from PMRA's<br>web site.                                                                                                                                                                                                                                                                                                                                                                           | N          | U.S. EPA,<br>OPP, EFED                   | 05/14/2012 | WEST<br>GREY       | ONTARI<br>O |     | CN   | ON                   | 060109     | Thiamethoxa<br>m   |                         | THIAMETHOX<br>AM                                                                                            |                                         |

#### Specified Ingredient Incidents

|                         |         | starried: 145                                                                |            |                                          |            |                                    |             |     |     |                      |            | •                  |                   | · ·                                                   |                                         |
|-------------------------|---------|------------------------------------------------------------------------------|------------|------------------------------------------|------------|------------------------------------|-------------|-----|-----|----------------------|------------|--------------------|-------------------|-------------------------------------------------------|-----------------------------------------|
| Package and<br>Report # | Pg<br># | Package Description                                                          | Stat<br>us | Submitter                                | Inc. Date  | City                               | County      | St. | Cou | Exp.<br>Sev.<br>Code | PC<br>Code | Ingredient<br>Name | Registration<br># | Product<br>Name                                       | Registrant                              |
| 026819-00004            | 14      | 7 Canadian bee kill incident reports from 2012 downloaded from PMRA's site.  | N          | U.S. EPA,<br>OPP, EFED                   | 05/28/2012 | ST<br>MARC<br>SUR<br>RICHELI<br>EU | QUEBEC      |     | CN  | ON                   | 060109     | Thiamethoxa<br>m   |                   | THIAMETHOX<br>AM                                      |                                         |
| 026819-00006            | 22      | 7 Canadian bee kill incident reports from 2012 downloaded from PMRA's site.  | N          | U.S. EPA,<br>OPP, EFED                   | 04/17/2012 | HENSAL<br>L                        | ONTARI<br>O |     | CN  | ON                   | 060109     | Thiamethoxa<br>m   |                   | PIONEER<br>(PCP)                                      |                                         |
| 026819-00007            | 28      | 7 Canadian bee kill incident reports from 2012 downloaded from PMRA's site.  | N          | U.S. EPA,<br>OPP, EFED                   | 04/17/2012 | SARNIA                             | ONTARI<br>O |     | CN  | ON                   | 060109     | Thiamethoxa<br>m   |                   | PIONEER<br>SEED (PCP)                                 |                                         |
| 026820-00001            | 2       | 8 Canadian bee kill incident reports from 2012 downloaded from PMRA's site.  | N          | U.S. EPA,<br>OPP, EFED                   | 04/15/2012 | LAMBTO<br>N &<br>MIDDLE<br>SEX CO. | ONTARI<br>O |     | CN  | ON                   | 060109     | Thiamethoxa<br>m   |                   | CRUISER 5FS<br>SEED<br>TREATMENT<br>(CANADA<br>27045) |                                         |
| 026820-00003            | 10      | 8 Canadian bee kill incident reports from 2012 downloaded from PMRA's site.  | N          | U.S. EPA,<br>OPP, EFED                   | 06/01/2012 | CONN                               | ONTARI<br>O |     | CN  | ON                   | 060109     | Thiamethoxa<br>m   |                   | CRUISER MAXX BEANS SEED TREATMENT (CANADA 28821)      |                                         |
| 026820-00004            | 14      | 8 Canadian bee kill incident reports from 2012 downloaded from PMRA's site.  | N          | U.S. EPA,<br>OPP, EFED                   | 05/13/2013 |                                    | ONTARI<br>O |     | CN  | ON                   | 060109     | Thiamethoxa<br>m   |                   | CRUISER MAXX VIBRANCE SEED TREATMENT (CANADA 30436)   |                                         |
| 026820-00005            | 18      | 8 Canadian bee kill incident reports from 2012 downloaded from PMRA's site.  | N          | U.S. EPA,<br>OPP, EFED                   | 08/20/2013 |                                    | ONTARI<br>O |     | CN  | ON                   | 060109     | Thiamethoxa<br>m   |                   | ENDIGO<br>INSECTICIDE<br>(CANADA<br>30404)            |                                         |
| 026820-00007            | 26      | 8 Canadian bee kill incident reports from 2012 downloaded from PMRA's site.  | N          | U.S. EPA,<br>OPP, EFED                   | 04/17/2012 | HENSAL<br>L                        | ONTARI<br>O |     | CN  | ON                   | 060109     | Thiamethoxa<br>m   |                   | PIONEER<br>(PCP)                                      |                                         |
| 026820-00008            | 31      | 8 Canadian bee kill incident reports from 2012 downloaded from PMRA's site.  | N          | U.S. EPA,<br>OPP, EFED                   | 04/12/2012 | SARNIA                             | ONTARI<br>O |     | CN  | ON                   | 060109     | Thiamethoxa<br>m   |                   | PIONEER<br>SEED                                       |                                         |
| 026867-00014            | 31      | Syngenta: 5 major surface & drinking water detects, 14 H-C, 1 H-B, July 2014 | N          | SYNGENTA<br>CROP<br>PROTECTIO<br>N, INC. | 04/25/2014 |                                    |             | KS  | US  | НВ                   | 060109     | Thiamethoxa<br>m   | 000100-00941      | CRUISER                                               | SYNGENTA<br>CROP<br>PROTECTIO<br>N, LLC |
| 026867-00014            | 31      | Syngenta: 5 major surface & drinking water detects, 14 H-C, 1 H-B, July 2014 | N          | SYNGENTA<br>CROP<br>PROTECTIO<br>N, INC. | 04/25/2014 |                                    |             | KS  | US  | НВ                   | 060109     | Thiamethoxa<br>m   | 000100-01399      | AVICTA<br>COMPLETE<br>CORN 500                        | SYNGENTA<br>CROP<br>PROTECTIO<br>N, LLC |

# Specified Ingredient Incidents

| Package and<br>Report # | Pg<br># | Package Description                                                                                                                                                        | Stat<br>us | Submitter                                | Inc. Date  | City        | County      | St. | Cou<br>ntry | Exp.<br>Sev.<br>Code | PC<br>Code | Ingredient<br>Name | Registration<br># | Product<br>Name                                                               | Registrant                              |
|-------------------------|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------------------------------------|------------|-------------|-------------|-----|-------------|----------------------|------------|--------------------|-------------------|-------------------------------------------------------------------------------|-----------------------------------------|
| 026983-00001            | 2       | Syngenta: 11 H-C human<br>moderate reports, August 2014.<br>Incident -007 was deleted                                                                                      | N          | SYNGENTA<br>CROP<br>PROTECTIO<br>N, INC. | 07/25/2014 |             |             | CA  | US          | HC                   | 060109     | Thiamethoxa<br>m   | 000100-01437      | TANDEM                                                                        | SYNGENTA<br>CROP<br>PROTECTIO<br>N, LLC |
| 027107-00001            | 2       | Syngenta: Includes 5 H-C.<br>Symptoms include headache,<br>malaise, boils, lumps, eyes<br>swelling, redness, throat<br>irritation etc.                                     | N          | SYNGENTA<br>CROP<br>PROTECTIO<br>N, INC. | 09/05/2014 |             |             | CO  | US          | HC                   | 060109     | Thiamethoxa<br>m   | 000100-01305      | CRUISER<br>MAXX<br>CEREALS                                                    | SYNGENTA<br>CROP<br>PROTECTIO<br>N, LLC |
| 027212-00003            | 8       | Syngenta: 1 H-B and 4 H-C individual reports, Oct., 2014.                                                                                                                  | N          | SYNGENTA<br>CROP<br>PROTECTIO<br>N, INC. | 10/15/2014 | HOUSTO<br>N |             | TX  | US          | HC                   | 060109     | Thiamethoxa<br>m   | 000100-01437      | TANDEM                                                                        | SYNGENTA<br>CROP<br>PROTECTIO<br>N, LLC |
| 027519-00001            | 2       | Email: EFED received an email from the PRMA containing Canadian bee kill incident reports(ONT)from 2010-2012 for clothianidin, thiamethoxam, imidacloprid and acetamiprid. | U          | U.S. EPA,<br>OPP, EFED                   | 05/15/2010 |             | QUEBEC      |     | CN          | ON                   | 060109     | Thiamethoxa<br>m   |                   | CLOTHIANIDI<br>N,<br>THIAMETHOX<br>AM                                         |                                         |
| 027519-00004            | 1       | Email: EFED received an email from the PRMA containing Canadian bee kill incident reports(ONT)from 2010-2012 for clothianidin, thiamethoxam, imidacloprid and acetamiprid. | U          | U.S. EPA,<br>OPP, EFED                   | 04/19/2012 |             | QUEBEC      |     | CN          | ON                   | 060109     | Thiamethoxa<br>m   |                   | CLOTHIANIDI<br>N;<br>COUMAPHOS<br>;<br>THIABENDAZ<br>OLE;<br>THIAMETHOX<br>AM |                                         |
| 027519-00005            | 2       | Email: EFED received an email from the PRMA containing Canadian bee kill incident reports(ONT)from 2010-2012 for clothianidin, thiamethoxam, imidacloprid and acetamiprid. | U          | U.S. EPA,<br>OPP, EFED                   | 04/08/2012 |             | ONTARI<br>O |     | CN          | ON                   | 060109     | Thiamethoxa<br>m   |                   | CLOTHIANIDI<br>N;<br>FLUVALINAT<br>E;<br>THIAMETHOX<br>AM                     |                                         |
| 027519-00006            | 2       | Email: EFED received an email from the PRMA containing Canadian bee kill incident reports(ONT)from 2010-2012 for clothianidin, thiamethoxam, imidacloprid and acetamiprid. | U          | U.S. EPA,<br>OPP, EFED                   | 04/17/2012 |             | ONTARI<br>O |     | CN          | ON                   | 060109     | Thiamethoxa<br>m   |                   | CLOTHIANIDI<br>N,<br>THIAMETHOX<br>AM                                         |                                         |

### Specified Ingredient Incidents

| Package and<br>Report # | Pg<br># | Package Description                                                                                                                                                        | Stat<br>us | Submitter                                | Inc. Date  | City          | County             | St. | Cou<br>ntry | Exp.<br>Sev.<br>Code | PC<br>Code | Ingredient<br>Name | Registration<br>#       | Product<br>Name                                                                       | Registrant                              |
|-------------------------|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------------------------------------|------------|---------------|--------------------|-----|-------------|----------------------|------------|--------------------|-------------------------|---------------------------------------------------------------------------------------|-----------------------------------------|
| 027519-00007            | 2       | Email: EFED received an email from the PRMA containing Canadian bee kill incident reports(ONT)from 2010-2012 for clothianidin, thiamethoxam, imidacloprid and acetamiprid. | U          | U.S. EPA,<br>OPP, EFED                   | 06/07/2011 |               | ONTARI<br>O        |     | CN          | ON                   | 060109     | Thiamethoxa<br>m   |                         | ATRAZINE (PLUS RELATED ACTIVE TRIAZINES); CLOTHIANIDI N; FENITROTHI ON; THIAMETHOX AM |                                         |
| 027519-00008            | 2       | Email: EFED received an email from the PRMA containing Canadian bee kill incident reports(ONT)from 2010-2012 for clothianidin, thiamethoxam, imidacloprid and acetamiprid. | U          | U.S. EPA,<br>OPP, EFED                   | 04/17/2012 |               | ONTARI<br>O        |     | CN          | ON                   | 060109     | Thiamethoxa<br>m   |                         | CLOTHIANIDI<br>N;<br>FLUVALINAT<br>E-TAU;<br>THIAMETHOX<br>AM                         |                                         |
| 027610-00001            | 1       | Syngenta: Bee kill in lemon<br>grove, Agri-Flex Miticide/<br>Insecticide, 1 ONT, 04/07/2015.                                                                               | N          | SYNGENTA<br>CROP<br>PROTECTIO<br>N, INC. | 04/07/2015 | SOMIS         | VENTUR<br>A        | CA  | US          | ON                   | 060109     | Thiamethoxa<br>m   | 000100-01350            | AGRI-FLEX<br>MITICIDE/<br>INSECTICIDE                                                 | SYNGENTA<br>CROP<br>PROTECTIO<br>N, LLC |
| 027614-00001            | 2       | Syngenta:7 H-C incidents.                                                                                                                                                  | N          | SYNGENTA<br>CROP<br>PROTECTIO<br>N, INC. | 03/28/2015 | TONAW<br>ANDA |                    | NY  | US          | HC                   | 060109     | Thiamethoxa<br>m   | 000100-01261<br>-004822 | RAID ANT<br>GEL                                                                       | SYNGENTA<br>CROP<br>PROTECTIO<br>N, LLC |
| 027614-00002            | 5       | Syngenta:7 H-C incidents.                                                                                                                                                  | N          | SYNGENTA<br>CROP<br>PROTECTIO<br>N, INC. | 03/03/2015 |               |                    | TX  | US          | HC                   | 060109     | Thiamethoxa<br>m   | 000100-00941            | CRUISER 5FS                                                                           | SYNGENTA<br>CROP<br>PROTECTIO<br>N, LLC |
| 027792-00010            | 27      | Syngenta: 2 S-A, 7 H-C and 1<br>H-B, May 2015.                                                                                                                             | N          | SYNGENTA<br>CROP<br>PROTECTIO<br>N, INC. | 05/26/2015 |               | ONTARI<br>O        |     | CN          | HC                   | 060109     | Thiamethoxa<br>m   | 000100-01305            | CRUISER<br>MAXX BEANS<br>SEED<br>TREATMENT                                            | SYNGENTA<br>CROP<br>PROTECTIO<br>N, LLC |
| 027877-00044            | 43      | Syngenta Crop Protection, LLC:<br>Includes 14 H-C and 32 S-A.<br>Symptoms include Oral<br>Irritation, Rash, Hives, etc.                                                    | N          | SYNGENTA<br>CROP<br>PROTECTIO<br>N, INC. | 06/17/2015 | MARVEL<br>L   | PHILLIPS<br>COUNTY | AR  | US          | HC                   | 060109     | Thiamethoxa<br>m   | 000100-01508            | CRUISERMAX<br>X VIBRANCE                                                              | SYNGENTA<br>CROP<br>PROTECTIO<br>N, LLC |
| 028046-00001            | 1       | News article: EU bee kill, misuse, ONT.                                                                                                                                    | N          | U.S. EPA,<br>OPP, EFED                   | 07/26/2015 |               |                    |     | LT          | ON                   | 060109     | Thiamethoxa<br>m   |                         | UNKNOWN<br>PRODUCT                                                                    | ,                                       |
| 028254-00006            | 2       | EMAIL: EFED, North Carolina<br>bee kill reports from North<br>Carolina's Dept. of Agriculture.                                                                             | N          | U.S. EPA,<br>OPP, EFED                   | 07/25/2015 |               |                    | NC  | US          | ON                   | 060109     | Thiamethoxa<br>m   |                         | UNKNOWN                                                                               |                                         |
| 028718-00001            | 1       | Email: EFED, 02-04-2016, 2015 bee kill incident from the state of Washington.                                                                                              | N          | U.S. EPA,<br>OPP, EFED                   | 06/01/2015 |               |                    | WA  | US          | ON                   | 060109     | Thiamethoxa<br>m   | 000100-00938            | ACTARA<br>INSECTICIDE                                                                 | SYNGENTA<br>CROP<br>PROTECTIO<br>N, LLC |

#### Specified Ingredient Incidents

|                         |         | eturnea : 145                                                                                                                                     |            |                                          |            |                |             | 1   |     |                      |            | <del>-</del>       | ex mile: 0        |                                                                 |                                         |
|-------------------------|---------|---------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------------------------------------|------------|----------------|-------------|-----|-----|----------------------|------------|--------------------|-------------------|-----------------------------------------------------------------|-----------------------------------------|
| Package and<br>Report # | Pg<br># | Package Description                                                                                                                               | Stat<br>us | Submitter                                | Inc. Date  | City           | County      | St. | Cou | Exp.<br>Sev.<br>Code | PC<br>Code | Ingredient<br>Name | Registration<br># | Product<br>Name                                                 | Registrant                              |
| 028803-00001            | 2       | Syngenta: March 2016, 4 H-C reports.                                                                                                              | N          | SYNGENTA<br>CROP<br>PROTECTIO<br>N, INC. | 03/13/2016 |                |             | KS  | US  | HC                   | 060109     | Thiamethoxa<br>m   | 000100-01437      | TANDEM                                                          | SCOTTS<br>COMPANY,<br>THE               |
| 028803-00004            | 11      | Syngenta: March 2016, 4 H-C reports.                                                                                                              | N          | SYNGENTA<br>CROP<br>PROTECTIO<br>N, INC. | 03/28/2016 |                |             | SC  | US  | HC                   | 060109     | Thiamethoxa<br>m   | 000100-01405      | AVICTA<br>COMPLETE<br>CORN 250                                  | SYNGENTA<br>CROP<br>PROTECTIO<br>N, LLC |
| 028935-00014            | 8       | Syngenta: April 2016, 22 individual incidents.                                                                                                    | N          | SYNGENTA<br>CROP<br>PROTECTIO<br>N, INC. | 04/15/2016 |                |             | TX  | US  | НС                   | 060109     | Thiamethoxa<br>m   | 000100-00938      | ACTARA<br>INSECTICIDE                                           | SYNGENTA<br>CROP<br>PROTECTIO<br>N, LLC |
| 028935-00015            | 12      | Syngenta: April 2016, 22 individual incidents.                                                                                                    | N          | SYNGENTA<br>CROP<br>PROTECTIO<br>N, INC. | 04/15/2016 |                |             | TX  | US  | НВ                   | 060109     | Thiamethoxa<br>m   | 000100-00938      | ACTARA<br>INSECTICIDE                                           | SYNGENTA<br>CROP<br>PROTECTIO<br>N, LLC |
| 028975-00039            | 8       | Syngenta: May 2016, 10 individual incidents.                                                                                                      | N          | SYNGENTA<br>CROP<br>PROTECTIO<br>N, INC. | 04/27/2016 |                |             | KY  | US  | HC                   | 060109     | Thiamethoxa<br>m   |                   | CRUISER<br>MAX<br>(UNIDENTIFI<br>ED)                            |                                         |
| 028975-00042            | 18      | Syngenta: May 2016, 10 individual incidents.                                                                                                      | N          | SYNGENTA<br>CROP<br>PROTECTIO<br>N, INC. | 05/10/2016 |                |             | NE  | US  | HC                   | 060109     | Thiamethoxa<br>m   | 000100-01399      | AVICTA<br>COMPLETE<br>CORN 500                                  | SYNGENTA<br>CROP<br>PROTECTIO<br>N, LLC |
| 028975-00043            | 21      | Syngenta: May 2016, 10 individual incidents.                                                                                                      | N          | SYNGENTA<br>CROP<br>PROTECTIO<br>N, INC. | 05/16/2016 |                |             | VA  | US  | HC                   | 060109     | Thiamethoxa<br>m   | 000100-01319      | VOLIAM<br>FLEXI<br>INSECTICIDE                                  | SYNGENTA<br>CROP<br>PROTECTIO<br>N, LLC |
| 029077-00020            | 16      | Syngenta: July, 27 2016, 6 H-C<br>and 1 H-B, one paraquat<br>incident.                                                                            | N          | SYNGENTA<br>CROP<br>PROTECTIO<br>N, INC. | 06/13/2016 |                | ONTARI<br>O |     | CN  | HC                   | 060109     | Thiamethoxa<br>m   |                   | CRUISER<br>MAXX BEANS<br>SEED<br>TREATMENT<br>(CANADA<br>28821) | SYNGENTA<br>CROP<br>PROTECTIO<br>N, LLC |
| 029184-00001            | 1       | EFED: 6(a)(2) Coordinator received an email from EFED on 8/30/2016 updating bee kill in Arcadia, OH, clothianidin and imidacloprid were detected. | U          | U.S. EPA,<br>OPP, EFED                   | 05/26/2016 | ARCADI<br>A    |             | OH  | US  | ON                   | 060109     | Thiamethoxa<br>m   |                   | UNKNOWN                                                         |                                         |
| 029459-00002            | 4       | Syngenta: Oct 2016, 3 H-C reports.                                                                                                                | N          | SYNGENTA<br>CROP<br>PROTECTIO<br>N, INC. | 09/05/2016 | GREENS<br>BORO |             | NC  | US  | HC                   | 060109     | Thiamethoxa<br>m   | 000100-01437      | TANDEM                                                          | SYNGENTA<br>CROP<br>PROTECTIO<br>N, LLC |
| 029547-00011            | 7       | EFED: received Dec. 31, 2016,<br>Oct. 2015 - Sept. 2016 Iowa<br>bee kill reports.                                                                 | U          | U.S. EPA,<br>OPP, EFED                   | 04/22/2016 | CORNIN<br>G    |             | IA  | US  | ON                   | 060109     | Thiamethoxa<br>m   | 000100-01399      | AVICTA<br>COMPLETE<br>CORN 500                                  | SYNGENTA<br>CROP<br>PROTECTIO<br>N, LLC |

### Specified Ingredient Incidents

| i otai Row              | 3 N.C   | turnea: 145                                                                                                                                                                                                                                                                                  |            |                                                 |            |                     |              |     |             |                      |            | oport Butt         | ox mile.          | ., 0 ., 2025 0.0                              | ,0.0                                    |
|-------------------------|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------------------------------------------------|------------|---------------------|--------------|-----|-------------|----------------------|------------|--------------------|-------------------|-----------------------------------------------|-----------------------------------------|
| Package and<br>Report # | Pg<br># | Package Description                                                                                                                                                                                                                                                                          | Stat<br>us | Submitter                                       | Inc. Date  | City                | County       | St. | Cou<br>ntry | Exp.<br>Sev.<br>Code | PC<br>Code | Ingredient<br>Name | Registration<br># | Product<br>Name                               | Registrant                              |
| 029549-00001            | 1       | EFED: received Dec. 27, 2016, an update to a 2015 Fresno County, CA bee loss, no pesticides detected.                                                                                                                                                                                        | U          | U.S. EPA,<br>OPP, EFED                          | 08/12/2015 |                     | FRESNO       | CA  | US          | ON                   | 060109     | Thiamethoxa<br>m   | 000100-00938      | ACTARA<br>INSECTICIDE                         | SYNGENTA<br>CROP<br>PROTECTIO<br>N, LLC |
| 029624-00008            | 17      | Region 9: received Jan. 19,<br>2017, high level incidents.                                                                                                                                                                                                                                   | U          | U.S. EPA,<br>REGION 9                           | 10/01/2015 |                     | FRESNO       | CA  | US          | ON                   | 060109     | Thiamethoxa<br>m   | 000100-00938      | ACTARA<br>INSECTICIDE                         | SYNGENTA<br>CROP<br>PROTECTIO<br>N, LLC |
| 029650-00001            | 1       | NPIC: Feb. 7, 2016, caller reported being exposed to the product Stinger (a.i. clopyrlid).                                                                                                                                                                                                   | N          | NATIONAL<br>PESTICIDE<br>INFORMATI<br>ON CENTER | 06/01/2016 | GOOD<br>THUNDE<br>R |              | MN  | US          | PA,<br>HD            | 060109     | Thiamethoxa<br>m   |                   | HELIX                                         |                                         |
| 029846-00009            | 19      | Region 9: April, 2017, 33 high level incident episodes.                                                                                                                                                                                                                                      | N          | U.S. EPA,<br>REGION 9                           | 12/12/2016 |                     | IMPERIA<br>L | CA  | US          | PA                   | 060109     | Thiamethoxa<br>m   | 000100-00938      | ACTARA<br>INSECTICIDE                         | SYNGENTA<br>CROP<br>PROTECTIO<br>N, LLC |
| 030018-00016            | 25      | Syngenta: April 2017, 7 H-C reports and 9 S-A reports.                                                                                                                                                                                                                                       | N          | SYNGENTA<br>CROP<br>PROTECTIO<br>N, INC.        | 03/29/2017 | YUMA                |              | AZ  | US          | HC                   | 060109     | Thiamethoxa<br>m   |                   | ACTARA 75                                     |                                         |
| 030087-00001            | 1       | Region 9: 18 field workers transplanting celery starts reported symptoms of dizziness, nausea, vomiting, and fainting due to possible pesticide exposure.                                                                                                                                    | N          | U.S. EPA,<br>REGION 9                           | 06/22/2017 |                     | MONTER<br>EY | CA  | US          | HC                   | 060109     | Thiamethoxa<br>m   | 000100-00938      | ACTARA<br>INSECTICIDE                         | SYNGENTA<br>CROP<br>PROTECTIO<br>N, LLC |
| 030102-00056            | 6       | Syngenta: May 2017, Surface water, drinking water and human incidents.                                                                                                                                                                                                                       | N          | SYNGENTA<br>CROP<br>PROTECTIO<br>N, INC.        | 05/02/2017 |                     |              | ОН  | US          | HC                   | 060109     | Thiamethoxa<br>m   | 000100-01437      | TANDEM                                        | SYNGENTA<br>CROP<br>PROTECTIO<br>N, LLC |
| 030116-00001            | 3       | Region 9: 16 Monterey County,<br>CA field workers transplanting<br>broccoli were exposed to an<br>application of pesticides.                                                                                                                                                                 | N          | U.S. EPA,<br>REGION 9                           | 06/30/2017 |                     | MONTER<br>EY | CA  | US          | HD,<br>HC            | 060109     | Thiamethoxa<br>m   | 000100-01291      | PLATINUM 75<br>SG<br>INSECTICIDE              | SYNGENTA<br>CROP<br>PROTECTIO<br>N, LLC |
| 030302-00012            | 33      | Syngenta: Includes 2 D-1, 9 H-C and 1 H-B. Symptoms include Chest pain, Shortness of breath, Numbness, Swelling, Erythema, Hives/Welts, Rash, Vomiting, Fever, Gagging, Sweating, Headache, Memory problem, Bullae/blister, Pruritus, Hypertension, Abdominal pain, Anorexia and Drowsiness. | N          | SYNGENTA<br>CROP<br>PROTECTIO<br>N, INC.        | 07/18/2017 |                     | QUEBEC       |     | CN          | НС                   | 060109     | Thiamethoxa<br>m   |                   | ACTARA<br>240SC<br>(CANADA<br>PMRA#28407<br>) |                                         |

### Specified Ingredient Incidents

| Package and<br>Report # | Pg<br># | Package Description                                                                                                            | Stat<br>us | Submitter                                | Inc. Date  | City          | County         | St. | Cou<br>ntry | Exp.<br>Sev.<br>Code | PC<br>Code | Ingredient<br>Name | Registration<br># | Product<br>Name                  | Registrant                              |
|-------------------------|---------|--------------------------------------------------------------------------------------------------------------------------------|------------|------------------------------------------|------------|---------------|----------------|-----|-------------|----------------------|------------|--------------------|-------------------|----------------------------------|-----------------------------------------|
| 030663-00011            | 6       | EFED: bee kill reports form Iowa.                                                                                              | U          | U.S. EPA,<br>OPP, EFED                   | 10/01/2015 | CORNIN<br>G   |                | IA  | US          | ON                   | 060109     | Thiamethoxa<br>m   | 000100-01399      | AVICTA<br>COMPLETE<br>CORN 500   | SYNGENTA<br>CROP<br>PROTECTIO<br>N, LLC |
| 030663-00016            | 11      | EFED: bee kill reports form Iowa.                                                                                              | U          | U.S. EPA,<br>OPP, EFED                   | 04/21/2017 | PERRY         |                | IA  | US          | ON                   | 060109     | Thiamethoxa<br>m   | 000100-00941      | CRUISER 5FS                      | SYNGENTA<br>CROP<br>PROTECTIO<br>N, LLC |
| 030862-00001            | 1       | EFED: update to 2016 Elbow<br>Lake, MN bee kill report.                                                                        | N          | U.S. EPA,<br>OPP, EFED                   | 05/06/2017 | ELBOW<br>LAKE |                | MN  | US          | ON                   | 060109     | Thiamethoxa<br>m   |                   | UNKNOWN                          |                                         |
| 031097-00001            | 1       | Oregon Department of Ag.: July 2018, 8 ONT incident reports from the ODA.                                                      | N          | OREGON<br>DEPT. OF<br>AGRICULTU<br>RE.   | 07/15/2014 | TULATI<br>N   | WASHIN<br>GTON | OR  | US          | ON                   | 060109     | Thiamethoxa<br>m   | 000100-00943      | MERIDIAN<br>25WG                 | SYNGENTA<br>CROP<br>PROTECTIO<br>N, LLC |
| 031324-00001            | 1       | Bayer: Aug 2018, update to<br>Arcadia, OH bee kill incident.                                                                   | N          | BAYER<br>CROPSCIEN<br>CE                 | 05/26/2016 | ARCADI<br>A   |                | OH  | US          | ON                   | 060109     | Thiamethoxa<br>m   | 000100-01305      | CRUISER<br>MAXX<br>CEREALS       | SYNGENTA<br>CROP<br>PROTECTIO<br>N, LLC |
| 031446-00001            | 1       | Region 9: Sep, 2018, a bee keeper reported a loss after seeing an aircraft spraying a vine seed field.                         | N          | U.S. EPA,<br>REGION 9                    | 09/17/2018 | DUNNIG<br>AN  | YOLO           | CA  | US          | ON                   | 060109     | Thiamethoxa<br>m   | 000100-00938      | ACTARA<br>INSECTICIDE            | SYNGENTA<br>CROP<br>PROTECTIO<br>N, LLC |
| 031548-00001            | 1       | BASF: Sept. bee kill in Stockton, CA, numerous products applied.                                                               | N          | BASF CORP.                               | 08/16/2018 | STOCKT<br>ON  |                | CA  | US          | ON                   | 060109     | Thiamethoxa<br>m   |                   | UNKNOWN                          |                                         |
| 031569-00001            | 1       | Syngenta: Nov. 2018, updates<br>I031538-001, bee kill in<br>Stockton, CA.                                                      | N          | SYNGENTA<br>CROP<br>PROTECTIO<br>N, INC. | 08/16/2018 | STOCKO<br>N   | SAN<br>JOAQUIN | CA  | US          | ON                   | 060109     | Thiamethoxa<br>m   | 000100-01291      | PLATINUM 75<br>SG<br>INSECTICIDE | SYNGENTA<br>CROP<br>PROTECTIO<br>N, LLC |
| 031940-00001            | 1       | Syngenta: Mar. 2019, H-B,<br>person experiencing difficulty<br>breathing after an application<br>of Tandem to their apartment. | N          | SYNGENTA<br>CROP<br>PROTECTIO<br>N, INC. | 01/01/2016 |               |                | IN  | US          | НВ                   | 060109     | Thiamethoxa<br>m   | 000100-01437      | TANDEM                           | SYNGENTA<br>CROP<br>PROTECTIO<br>N, LLC |

| Exposure<br>Severity<br>Code | Description                                    |
|------------------------------|------------------------------------------------|
| С                            | Contamination (soil or product)                |
| D                            | Domestic Animal (pre 1998 reg or undetermined) |
| D1                           | Drinking Water - Major                         |
| D2                           | Drinking Water - Moderate                      |
| D3                           | Drinking Water - Minor                         |
| DA                           | Domestic Animal - Fatality                     |
| DB                           | Domestic Animal - Major                        |
| DC                           | Domestic Animal - Moderate                     |

#### Specified Ingredient Incidents

| Exposure<br>Severity<br>Code | Description                                                 |
|------------------------------|-------------------------------------------------------------|
| DD                           | Domestic Animal - Minor                                     |
| DE                           | Domestic Animal - Unspecified                               |
| E                            | Property Damage - Unspecified                               |
| EA                           | Property Damage - Major                                     |
| EB                           | Property Damage - Moderate                                  |
| EC                           | Property Damage - Minor                                     |
| F                            | Other                                                       |
| G                            | Groundwater (pre 1998 reg or undetermined)                  |
| G1                           | Groundwater - Major                                         |
| G2                           | Groundwater - Moderate                                      |
| G3                           | Groundwater - Minor                                         |
| GA                           | Groundwater - Major (with possibly mixed types of water)    |
| GB                           | Groundwater - Moderate (with possibly mixed types of water) |
| GC                           | Groundwater - Minor (with possibly mixed types of water)    |
| Н                            | Human (pre 1998 reg or undetermined)                        |
| HA                           | Human Fatality                                              |
| НВ                           | Human - Major                                               |
| HC                           | Human - Moderate                                            |
| HD                           | Human - Minor                                               |
| HE                           | Human - Unspecified                                         |
| ON                           | Other Nontarget                                             |
| P                            | Plant Damage (pre 1998 reg or undetermined)                 |
| PA                           | Plant Damage - Major                                        |
| PB                           | Plant Damage - Minor                                        |
| PL                           | Plant Lawn                                                  |
| S                            | Surface Water (pre 1998 reg or undetermined)                |
| S1                           | Surface Water - Major                                       |
| S2                           | Surface Water - Moderate                                    |
| S3                           | Surface Water - Minor                                       |
| W                            | Wildlife (pre 1998 reg or undetermined)                     |
| WA                           | Wildlife - Major                                            |
| WB                           | Wildlife - Minor                                            |